# Open Horizon project
# TSC Meeting

May 23, 2022


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# Meeting Details

Time: May 23, 2022 11:00 AM Pacific Time (US and Canada)

Please download and import the following iCalendar (.ics) files to your calendar system.
https://zoom.us/meeting/tJMrce2hqTIjHNa60DHyv9sn847QK4LGK_Gf/ics?icsToken=98tyKuCvqD0uE9OcuR-FRowEBI_oLPPwtlhEgo1cyk_BKzlFOxD4brYVA5krPP_7

Join Zoom Meeting
https://zoom.us/j/97664979962?pwd=TlY3dUk4K0Y3WnZXMjVMeisreGRkQT09

Meeting ID: 976 6497 9962
Passcode: 312515

Find your local number: https://zoom.us/u/ac5YZ6pqGW

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# Open Horizon TSC

| Working Group or Partner | Representative |
|---|---|
| Agent | David Booz |
| DevOps | Ben Courliss |
| Documentation | Joe Pearson |
| Examples | Troy Fine |
| Management Hub | Nathan Phelps |
| Outreach | Susan Bowlin |
| Partner: mimik Technology | Michel Burger |
| Partner: IBM | Kavitha Bade |

# Announcements

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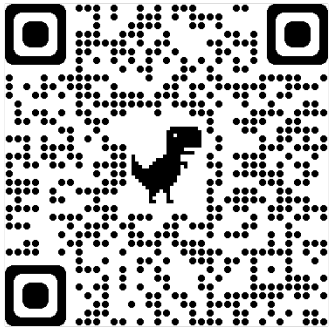
# Spring 2022 Mentorship wrapping up

- See the LFX Mentorship schedule
  - Final mentee evaluations due next week
  - Mentee feedback and/or blog submissions due
  - Second stipend request submitted on 31st and after evaluations
- Glen Darling is presenting to RCOS summer session
- Joe is fundraising for stipends for future LFX mentorships
  - Pass the word, donations accepted here



# What is an SBOM?

“SBOMs are a cornerstone of software supply-chain security.” - various

From the NTIA: “A ‘Software Bill of Materials’ (SBOM) is a nested inventory for software, a list of ingredients that make up software components and provides vital information about the components themselves.”

The Cybersecurity & Infrastructure Security Agency (CISA) states: “A ‘software bill of materials’ (SBOM) has emerged as a key building block in software security and software supply chain risk management. The SBOM work has advanced since 2018 as a collaborative community effort, driven by NTIA’s multistakeholder process. ”

Linux Foundation Webinar: The role of SBOM in cybersecurity readiness.

# What problems does it solve?

- Identity: Executing the intended application
- Provenance: Knowing the vendor, license, version, dependencies
- Tamper-evident: Matching component signature and certificate
- Compliance: Meeting regulations and standards (EO, ISO, GDPR, FAR)

# Where should it be used?

- To scan Open Horizon source code in each repository
- When building and publishing code artifacts (packages, containers)
- When running Open Horizon
- When publishing service definition files and policies with OH
- When managing container lifecycles with OH
- When OH forms agreements (policies based on SBOM properties)
- When OH is initially installed, including zero-touch scenarios

# How to generate an SBOM for an OH component

| | |
|---|---|
| Install syft on macOS | `brew update; brew tap anchore/syft; brew install syft` |
| Scan anax container | `syft openhorizon/amd64_anax` |
| SBOM from container | `syft openhorizon/amd64_anax:latest -o syft-json=sbom.anax.json` |
| SBOM from GH clone | `syft packages dir:dev/anax -o syft-json=sbom.anax-source.json` |
| Display SBOM abbv. | ✓ Loaded image<br>✓ Parsed image<br>✓ Cataloged packages [283 packages]<br><br>NAME VERSION TYPE<br>acl 2.2.53-1.el8 rpm<br>audit-libs 3.0-0.17.20191104git1c2f876.el8 rpm<br>basesystem 11-5.el8 rpm<br>bash 4.4.20-1.el8_4 rpm<br>brotli 1.0.6-3.el8 rpm<br>bzip2-libs 1.0.6-26.el8 rpm<br>ca-certificates 2020.2.41-80.0.el8_2 rpm<br>chkconfig 1.13-2.el8 rpm<br>coreutils-single 8.30-8.el8 rpm<br>cracklib 2.9.6-15.el8 rpm<br>cracklib-dicts 2.9.6-15.el8 rpm<br>crypto-policies 20210209-1.gitbfb6bed.el8_3 rpm<br>crypto-policies-scripts 20210209-1.gitbfb6bed.el8_3 rpm<br>cryptsetup-libs 2.3.3-4.el8 rpm<br>curl 7.61.1-18.el8 rpm |
| Generate attestation | See syft README.md for instructions on how to generate attestation with local private key and upload to OCI registry |

# Working Group Updates

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# Next Meeting

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# Next Meeting

- Next Meeting: Monday, June 6 @ 11:00am PT/02:00pm ET

# Thank You

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# Repositories per Working Group

| Agent | DevOps | Documentation | Examples | Mgmt Hub |
|---|---|---|---|---|
| anax<br>edge-sync-service<br>edgeengine-integration<br>edge-sync-service-client<br>rsapss-tool<br>mms-cloud-container | devops<br>horizon-deb-packager<br>edge-utilities | .github<br>artwork<br>open-horizon.github.io<br>documentation-migration<br>project-summary | examples<br>open-horizon-services | exchange-api<br>SDO-support<br>vault-exchange-auth |